

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/004564

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl.⁷ A61K35/78, A23L1/30, A61K31/05, 31/353, 31/7004, A61P3/10,
43/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int. Cl.⁷ A61K35/78, A23L1/30, A61K31/05, 31/353, 31/7004

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

BIOSIS/MEDLINE/WPIDS (STN), CAPLUS (STN), EMBASE (STN), JMEDPLUS (JOIS),
JSTPLUS (JOIS)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| P, X | Masako FUJITA et al., "Acerola Kajitsu · Ha Tekishutsu Extract Powder no Tonyobyō Kanwa Koka to Koketto Sayo ni Tsuite", Japanese Society for Food Science and Technology Taikai Koenshu, 01 September, 2004 (01.09.04), Vol. 51 st , page 51 | 1-8 |
| E, X | WO 2005/44290 A1 (Nichirei Corp.), 19 May, 2005 (19.05.05), (Family: none) | 1-8 |
| E, X | JP 2005-82509 A (Nichirei Corp.), 31 March, 2005 (31.03.05), (Family: none) | 1-8 |

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
21 June, 2005 (21.06.05)

Date of mailing of the international search report
12 July, 2005 (12.07.05)

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| X | Saburo ITO et al., "Acerola Kajitsu no Sanchi · Jukudobetsu Vitamin C Ganryo no Hikaku oyobi sono Anteisei", Nihon Shokuhin Kogyo Gakkaishi, 1990, Vol.37, No.9, pages 726 to 729, table 3 | 7, 8 |
| X | US 4806365 A (Todomu NAKASHIMA), 21 February, 1989 (21.02.89), Example 5 (Family: none) | 7, 8 |
| X | "Gendairyu Sukoyaka Seikatsujutsu, Kenko Jumyo o Nobasu Ocha", gendai, net. 16 July, 2003 (16.07.03) Keisai, Acerola Tea, [retrieval date 14 June, 2005 (14.06.05)], Internet <URL:http://211.4.245.11/contents.asp?c=111&id=333> | 7, 8 |
| A | Ryuji NAGAI et al., "Chaba Chushutsu ni yoru in vivo Maillard Hanno no Yokusei to AGE-ryo no Henka", The Pharmaceutical Society of Japan Koen Yoshi, 1995, Vol.115th, No.Pt3, page 182 | 1-8 |
| A | Takayuki HANAMURA et al., Acerola Kajitsu ni Fukumareru Polyphenol Seibun no Kozo Kaiseki", Nihon Nogei Kagaku Taikai Koen Yoshishu, 05 March, 2004 (05.03.04), Vol.2004 th , page 82 | 1-8 |
| A | Kaori YAMAZAKI et al., "Acerola Shushichu no Yuyo Seibun no Tansaku", The Pharmaceutical Society of Japan Koen Yoshishu, 2003, Vol.123 rd , No.2, page 132 | 1-8 |
| A | JP 2003-508415 A (MICHIGAN STATE UNIVERSITY), 04 March, 2003 (04.03.03), & WO 01/15553 A1 | 1-8 |
| A | Hissimoto, Neuza Mariko Aymoto et al., Flavonoid levels in plants and their antioxidant activity, Revista Brasileira de Cien cias Farmaceuticas, 2003, Vol.39 (suppl.3), pages 180 to 182, (abstract) CA [on line] STN:AN.140:41132, dn.2003946527 | 1-8 |
| A | Tetsuya UEDA et al., "Anthocyanin Shikiso no Shinki Seiri Kiko no Kaimei- Glucose Kyushu Chien Sayo (1)", Japanese Society for Food Science and Technology Taikai Koenshu, 1999, Vol.46th, page 161 | 1-8 |

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| A | Ichimoto Miwa et al., Inhibition of Intestinal α -Glucosidases and Sugar Absorption by Flavones, Chem.Pharm.Bull., 1986, Vol.34, No.2, pages 838 to 844 | 1-8 |
| A | Kim, Hye Young et al., Effect of flavonoids on formation advanced glycation endproducts in vitro, Int.Congr.Ser.-Excerpta Med., 2002, page 511, ISSN:0531-5131, ISBN:0-444-51034-6 (abstract) BIOSIS [on line] STN.AN.2003:263234 | 1-8 |
| A | JP 4-99730 A (San-Ei Gen F.F.I., Inc.), 31 March, 1992 (31.03.92), (Family: none) | 1-8 |